

**KOHLER** Power Systems

# INDUSTRIAL POWER



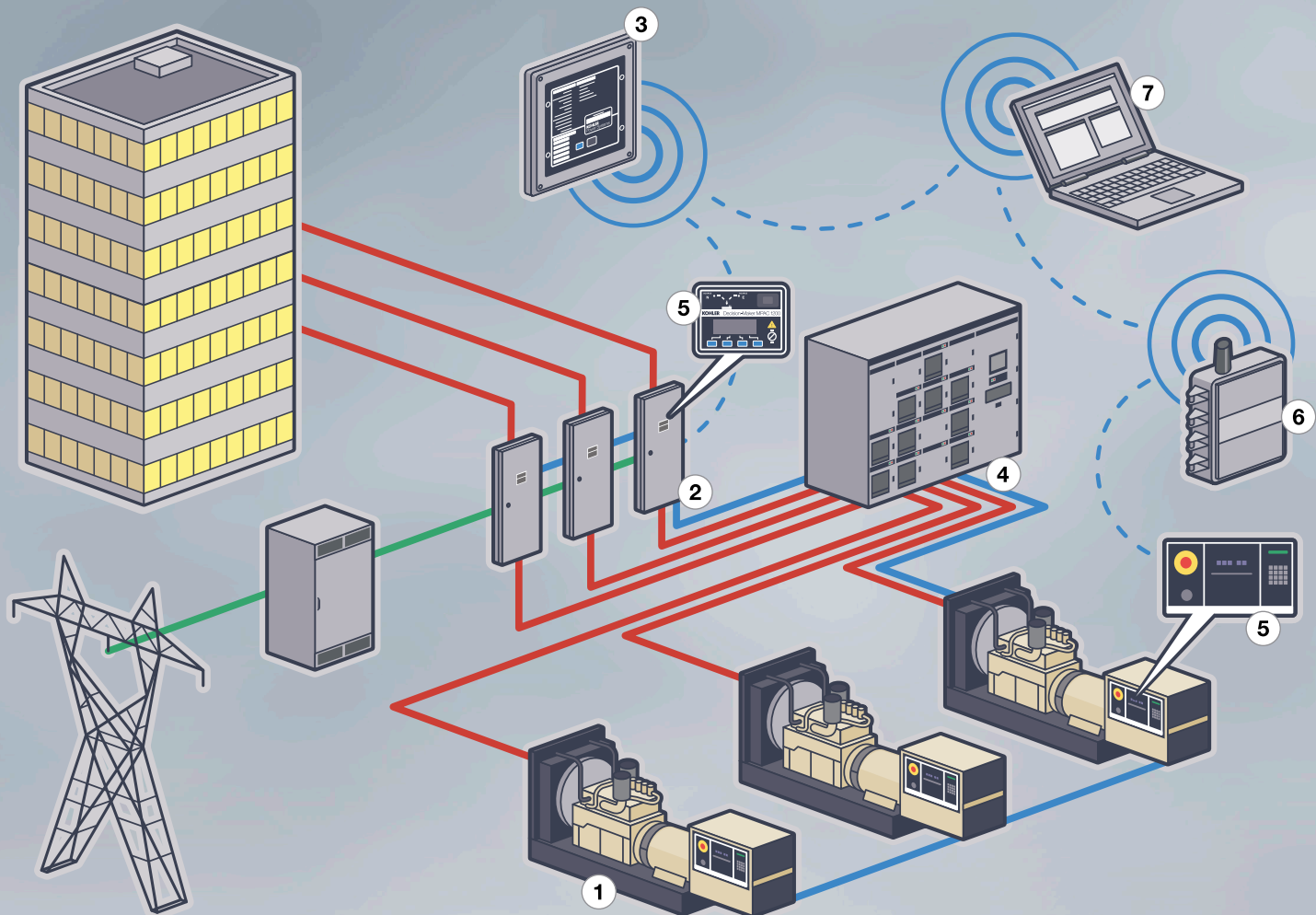
## TOTAL SYSTEM INTEGRATION

GENERATORS | TRANSFER SWITCHES | SWITCHGEAR | CONTROLS

## **TOTAL SYSTEM INTEGRATION EVERYTHING WORKS TOGETHER. NO IFS, ANDS OR BUTS.**

Look, a power system is only as good as the parts that define it. That's why we engineer every detail down to the last bolt. This isn't your typical power system. It's a KOHLER® industrial power system that's loaded with designed and manufactured components from Kohler including generators, transfer switches, switchgear, controllers and more. But the best part? We customize each power system to your specs.

**Specifying has never been easier.**



- 1 KOHLER® GENERATOR**  
Gas generators 25-400 kW  
Diesel generators 10-3250 kW
- 2 KOHLER AUTOMATIC TRANSFER SWITCH**  
Open, closed and programmed transition operating modes; standard, bypass-isolation and service-entrance switch configurations
- 3 KOHLER REMOTE ANNUNCIATOR**  
Remote monitoring and testing of transfer switches
- 4 KOHLER PARALLELING SWITCHGEAR**  
Low and medium voltage

- 5 KOHLER DECISION-MAKER® CONTROLLER**  
Control, monitor and system diagnostics
- 6 KOHLER WIRELESS MONITOR**  
Performance monitoring around the clock
- 7 KOHLER MONITORING SOFTWARE**  
Monitors generators and transfer switches from a PC



## SERVICE AND SUPPORT THE HELP YOU NEED. ANY TIME, ANYWHERE.

You're never too far from Kohler. Across the world, more than 800 locations are ready to provide sales, installation and aftermarket support services. And each one offers expertise in power specifications, equipment and integration. There's no question they can't answer. We should know, we trained them ourselves.

Plus, if you ever need assistance in the middle of the night, we'll take care of you. KOHLER Power professionals are available to offer troubleshooting, advice, service and support.

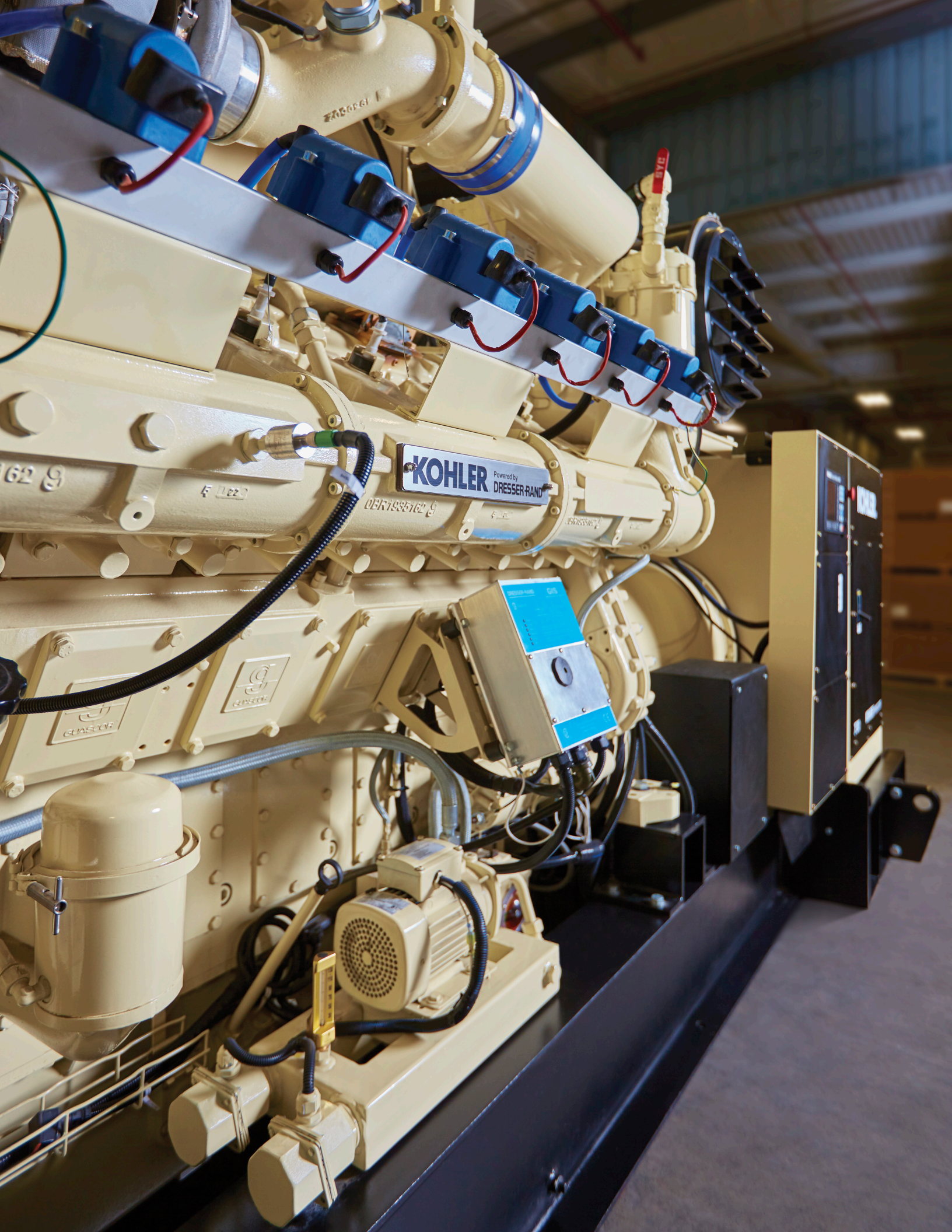


## KOHLER POWER SYSTEMS

- ① Headquarters and Manufacturing – Kohler, Wisconsin
- ② Headquarters EMEA
- ③ Headquarters Asia-Pacific and Manufacturing – Singapore
- ④ Manufacturing Facility – India
- ⑤ Manufacturing Facility – China
- Sales Offices, Dealers and Distributors

## SDMO (Kohler-Owned)

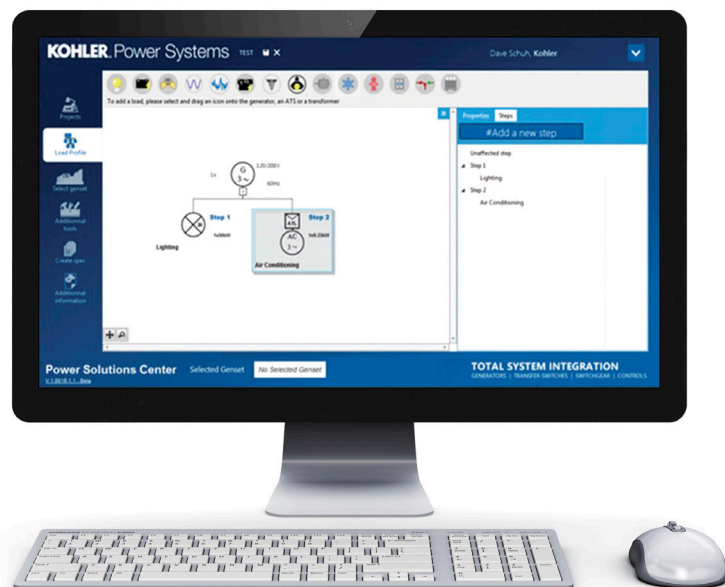
- ⑥ Headquarters and Three Manufacturing Facilities – France
- ⑦ Manufacturing Facility – Brazil
- Sales Offices, Dealers and Distributors



# POWER SOLUTIONS CENTER

SIZING AND SPECIFYING HAVE NEVER BEEN EASIER.

Power Solutions Center is Kohler's all new, easy-to-use specifying and sizing software with exclusive drag-and-drop load management. It's so simple and intuitive – if you can drag a mouse, you can size a generator. Download it free at [KohlerPower.com](http://KohlerPower.com).



## STANDARD FEATURES

### QUICK DRAG-AND-DROP LOAD MANAGEMENT

- Build system with generators, transfer switches and transformers
- Duplicate or delete loads with a click of the mouse
- Automatically calculate harmonic load analysis

### AUTOMATIC ONE-LINE DIAGRAM AND STEPS REPORT

- Instantly display and print easy-to-read diagrams
- See parameters that fall outside specified limits

### PRE-POPULATED ENGINEERING TOOLS

- Get tools for exhaust, fuel line and room sizing in seconds
- Add lighting, air conditioning, elevators and other equipment

### OPTIMUM GENERATOR SET RESULTS

- Review a selection of generator set options
- Display generator performance details

### SUMMARIES, REPORTS AND TECHNICAL DOCUMENTS

- Display or print diagrams and detailed sizing reports
- Download spec sheets, diagrams and BIM models instantly

### QUICK, HASSLE-FREE ESTIMATES AND INFO

- Click to connect with your KOHLER distributor

### SECURE FILE STORAGE

- Store files on your local computer
- Share files online or by email
- Works whether you're online or offline

# GAS GENERATORS

CUSTOM MADE TO MEET YOUR NEEDS.

25-400 kW

From light commercial use to heavy industrial applications, KOHLER® gas generators are customized to your specifications. Kohler was the first generator manufacturer to offer EPA factory-certified ratings in 180- to 400-kW generators. Now, every size from 25 to 400 kW is available EPA-certified, which saves you big dollars on site certification. Plus, these generators are capable of tying into your natural gas utility or LP supply – so you'll never have to think about fuel again.

## STANDARD FEATURES

### TESTED AND APPROVED

KOHLER generators meet tough industry testing and quality standards (UL, CSA, IBC, NFPA).

### ONE-STEP FULL-LOAD ACCEPTANCE

Our gas generators accept full load to keep you up and running.

### ULTIMATE PERFORMANCE

Our 1800-rpm engines run quietly, offer extended life and provide great fuel efficiency.

### FACTORY-CERTIFIED GENERATORS

Every size KOHLER gas generator is available EPA-certified, ECM-controlled and designed to meet the latest spark-ignited emission requirements.

### LOWER EMISSIONS

Compared to diesel-fueled generators, KOHLER gas generators significantly reduce carbon monoxide and particulate emissions.

### 1 EMISSION-CERTIFIED

Three-way catalyst reduces nitrogen oxides, carbon monoxide and hydrocarbon emissions

### 2 FUEL SYSTEMS

Available with natural gas, LP, single or dual fuel and liquid withdrawal systems

### 3 HIGH-AMBIENT COOLING

Designed to meet extreme operating conditions

### 4 KOHLER PMG ALTERNATORS

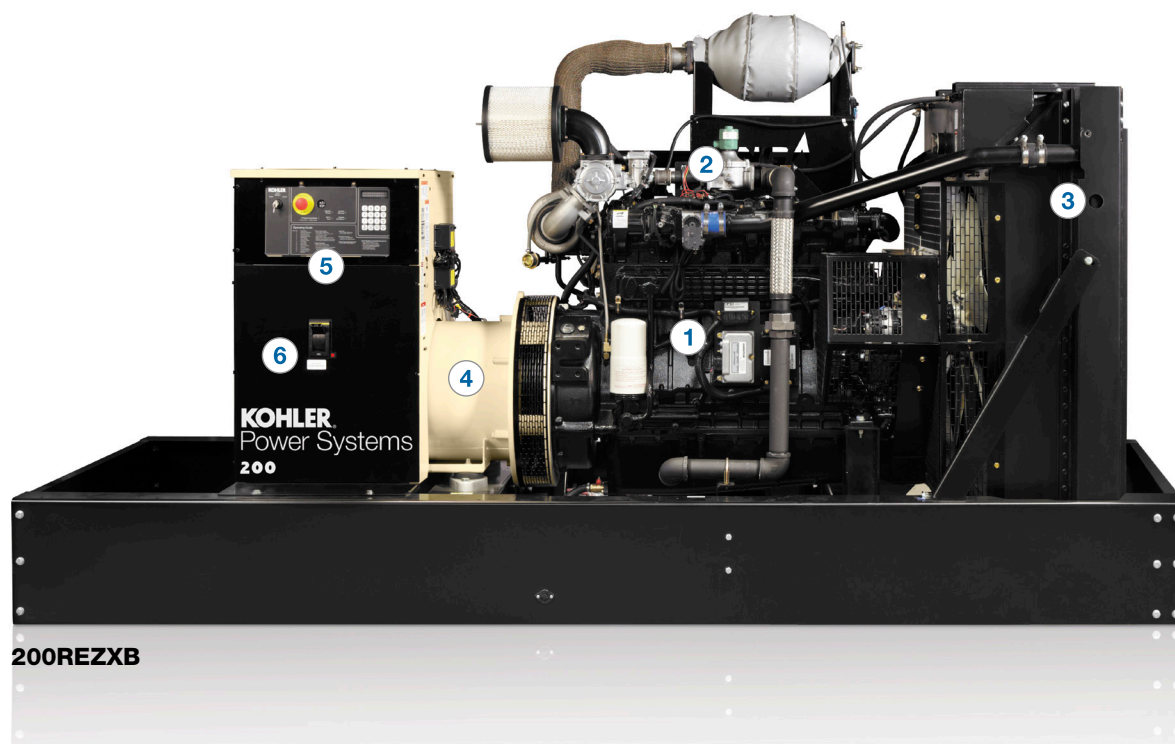
Provide advanced short-circuit capability and meet NEMA MG 1, IEEE and ANSI standards

### 5 KOHLER DECISION-MAKER® CONTROLLERS

Available with basic, advanced and paralleling options

### 6 OPTIONS AND ACCESSORIES

Improved motor-starting alternators, multiple circuit breakers, enclosures, block heaters and more





**25REZG**



**200REZXB**



**125REZGB**

MODEL	NG STANDBY 60 Hz (kW/kVA)	LP STANDBY 60 Hz (kW/kVA)	NG PRIME 60 Hz (kW/kVA)	LP PRIME	RPM	Emissions
25REZG	25/31	25/31			1800	EPA-certified
30REZG	30/38	30/38	27/33	27/33	1800	EPA-certified
40REZG	39/49	40/50			1800	EPA-certified
45REZG	42/53	45/56	37/46	41/51	1800	EPA-certified
50REZGB	53/66	55/69			1800	EPA-certified
60REZGB	60/75	64/80	54/67	56/70	1800	EPA-certified
80REZGD	80/100				1800	EPA-certified
100REZGD	100/125	100/125			1800	EPA-certified
125REZGC	128/160	106/133			1800	EPA-certified
150REZGC	150/188	139/174			1800	EPA-certified
180REZXB	190/238	130/163	164/205		1800	EPA-certified
180RZXB	190/238	130/163	164/205		1800	
200REZXB	200/250	130/163	175/219		1800	EPA-certified
200RZXB	200/250	130/163	174/219		1800	
250REZXB	260/325	170/213	235/294		1800	EPA-certified
250RZXB	260/325	175/219	235/294		1800	
300REZXB	300/375	210/263	270/338		1800	EPA-certified
300RZXB	300/375	210/263	270/338		1800	
350REZXB	355/444	240/300	300/375		1800	EPA-certified
350RZXB	355/444	240/300	300/375		1800	
400REZXB	400/500	260/325	360/450		1800	EPA-certified
400RZXB	400/500	260/325	360/450		1800	

Ratings based on 3-phase, 480 V

50 Hz non-emissions models and single-phase ratings are also available

For additional technical specifications, visit [KohlerPower.com](http://KohlerPower.com).

# LARGE GAS GENERATORS

THE RIGHT POWER – AND THE RIGHT POWER RATING.

400-1300 kW

KOHLER® large gas generators are custom-designed and targeted to fit your specific requirements. Many “one size fits all” models are built for continuous power, which limits their power rating for standby and prime applications. In contrast, every KOHLER generator is designed to work specifically for standby, prime or continuous applications – whatever you need. That means greater power efficiency and cost savings.

To power these proven generators, each engine is specially tuned to the generator system for optimal power efficiency. Plus, we’ve simplified the installation process – every model\* is available EPA-certified to meet operational requirements on pipeline natural gas. There’s no need to certify or recertify.

\*Except the 1300REZCK model, which is available EPA-compliant.

## STANDARD FEATURES

### PROVEN ENGINE

Engines are specially tuned to optimize system performance, accept a wide range of input fuels and are highly resistant to fuel contamination.

### TESTED AND APPROVED

KOHLER generators meet tough industry testing and quality standards (UL, CSA, NFPA).

### ULTIMATE PERFORMANCE

1800-rpm engines run quietly, offer extended life and provide cost-effective performance.

### CLEAN RUNNING

KOHLER large gas generators run cleanly and need no after treatment to meet strict EPA emissions standards.

### LOWER EMISSIONS

Compared to diesel-fueled generators, KOHLER gas generators significantly reduce nitrogen oxide and particulate emissions.

### 1 EMISSION-CERTIFIED

Clean-running engines need no after treatment to meet EPA emissions standards

### 2 FUEL SYSTEMS

Standard configuration for natural gas; capable of a wide range of non-pipeline fuels

### 3 HIGH-AMBIENT COOLING

Designed to meet extreme operating conditions

### 4 EFFICIENT PMG ALTERNATORS

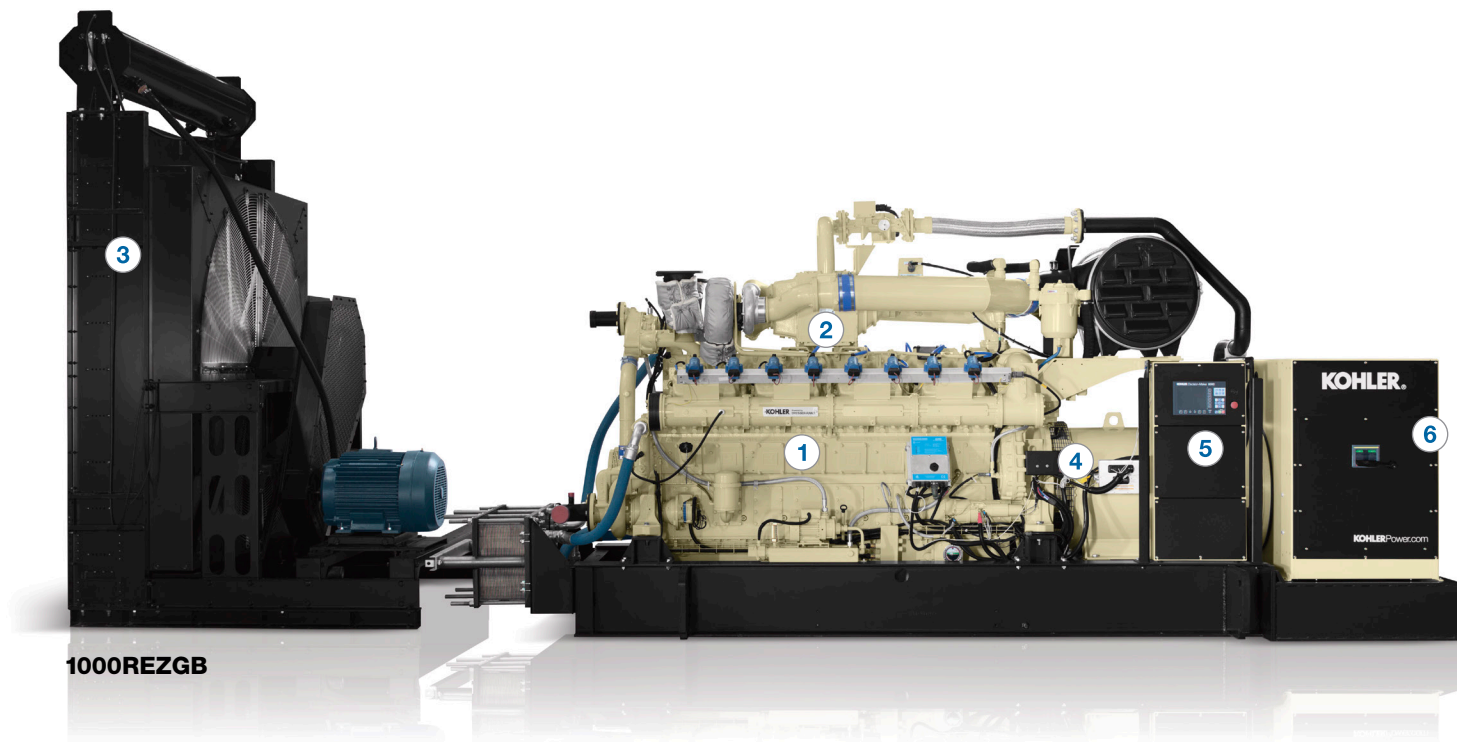
Provide advanced short-circuit capability and meet NEMA MG 1, IEEE and ANSI standards

### 5 KOHLER DECISION-MAKER® CONTROLLER

Large-screen controller for paralleling, load management and generator management

### 6 OPTIONS AND ACCESSORIES

Improved motor-starting alternators, multiple circuit breakers, enclosures, block heaters and more



1000REZGB

MODEL	NG STANDBY 60d Hz (kW/kVA)	NG PRIME 60 Hz (kW/kVA)	NG CONTINUOUS 60 Hz (kW/kVA)	RPM	Emissions
500REZK	500/625	435/543		1800	EPA-certified
750REZK	750/937	630/787		1800	EPA-certified
1000REZK	1000/1250	880/1100		1800	EPA-certified
400REZCK - <i>Coming Soon</i>			415/518	1800	EPA-certified
600REZCK - <i>Coming Soon</i>			620/775	1800	EPA-certified
800REZCK - <i>Coming Soon</i>			830/1037	1800	EPA-certified
1000REZCK - <i>Coming Soon</i>			1000/1250	1800	EPA-certified
1300REZCK - <i>Coming Soon</i>			1300/1625	1800	EPA-compliant

Ratings based on 3-phase, 480 V  
For additional technical specifications, visit [KohlerPower.com](http://KohlerPower.com)

## CONTINUOUS-POWER MODELS: BUILT FOR EFFICIENCY

- Available EPA-certified (model 1300REZCK is EPA-compliant-capable) and ECM-controlled and meet the latest spark-ignited emission requirements for emergency operation.
- Offer high electrical efficiencies.
- Built to run at up to a 100% load factor over the life of the generator.
- Factory cooling options allow for up to 40°C ambient operation.

## PRIME-POWER MODELS: BUILT FOR LOAD ACCEPTANCE

- Available EPA-certified and ECM-controlled and meet the latest spark-ignited emission requirements for non-emergency operation.

- Built to run at up to a 90% load factor over the life of the generator; meet ISO-8528 G1 power quality standards even through a 53% load step.
- Factory cooling options allow for up to 50°C ambient operation.

## EMERGENCY STANDBY MODELS: BUILT TO LAST

- Available EPA-certified and ECM-controlled and meet the latest spark-ignited emission requirements for emergency operation.
- Built to run at up to an 85% load factor over the life of the generator; meet ISO-8528 G1 power quality standards even through a 53% load step.
- Factory cooling options allow for up to 50°C ambient operation.

# DIESEL GENERATORS

BRED FOR THE TOUGHEST JOBS ON EARTH.

10-3250 kW

These generators are tough as nails and made to power all of your applications (simple to complex), including healthcare, gas stations, data centers, airports and more. KOHLER® diesel generators come loaded with power and are available in a range of sizes up to 3250 kW.

Of course, the diesel generators we make are available EPA-certified. And you can customize them any way you like with a variety of accessories.

## STANDARD FEATURES

### TESTED AND APPROVED

KOHLER generators meet tough industry testing and quality standards (UL, CSA, IBC, NFPA).

### RAPID RESPONSE

Our generators power up in 10 seconds or less and deliver quality power during voltage and frequency changes.

### EASY INSTALLATION

Our quickest install ever – large stub-up areas; easy access to fuel, load and exhaust locations.

### 1 EMISSION-CERTIFIED

EPA-certified, industrial-grade engines meet the latest emissions requirements

### 2 HIGH-AMBIENT COOLING

Designed to meet your extreme operating conditions

### 3 KOHLER PMG ALTERNATORS

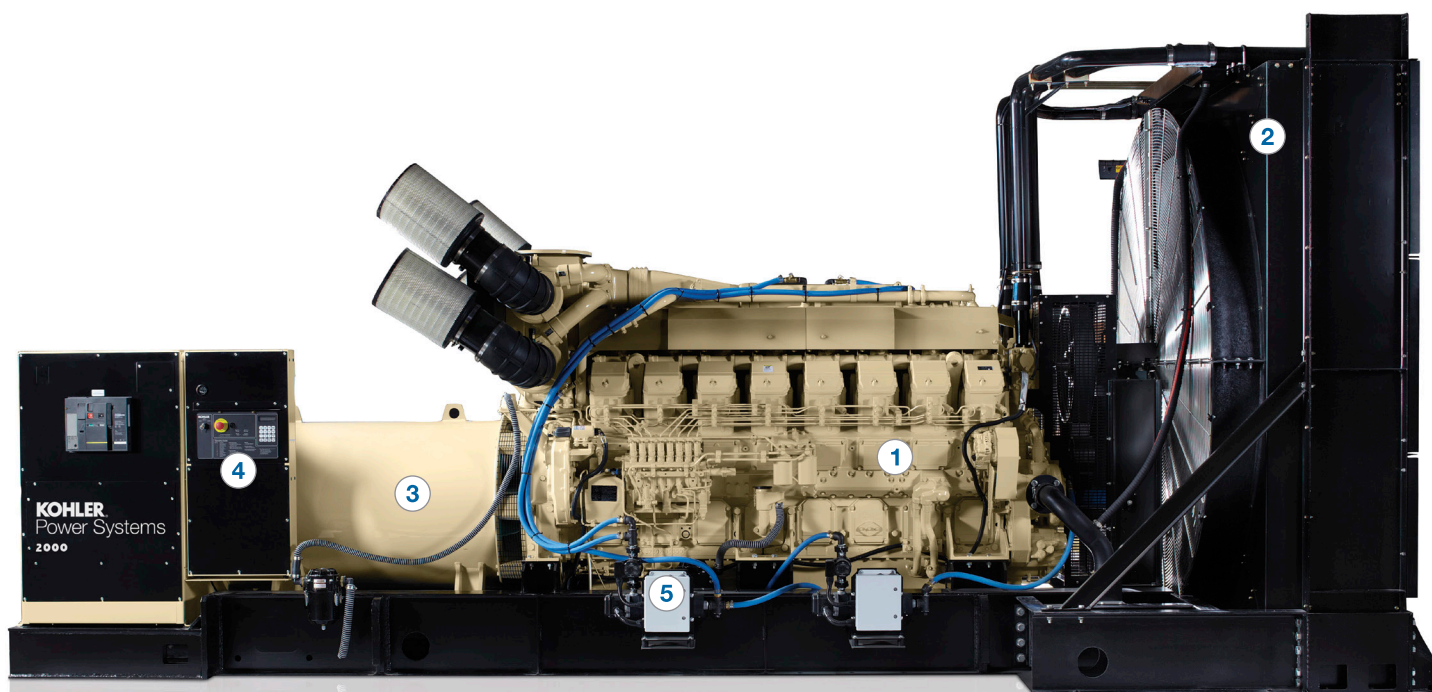
Provide advanced short-circuit capability and meet NEMA MG 1, IEEE and ANSI standards

### 4 KOHLER DECISION-MAKER® CONTROLS

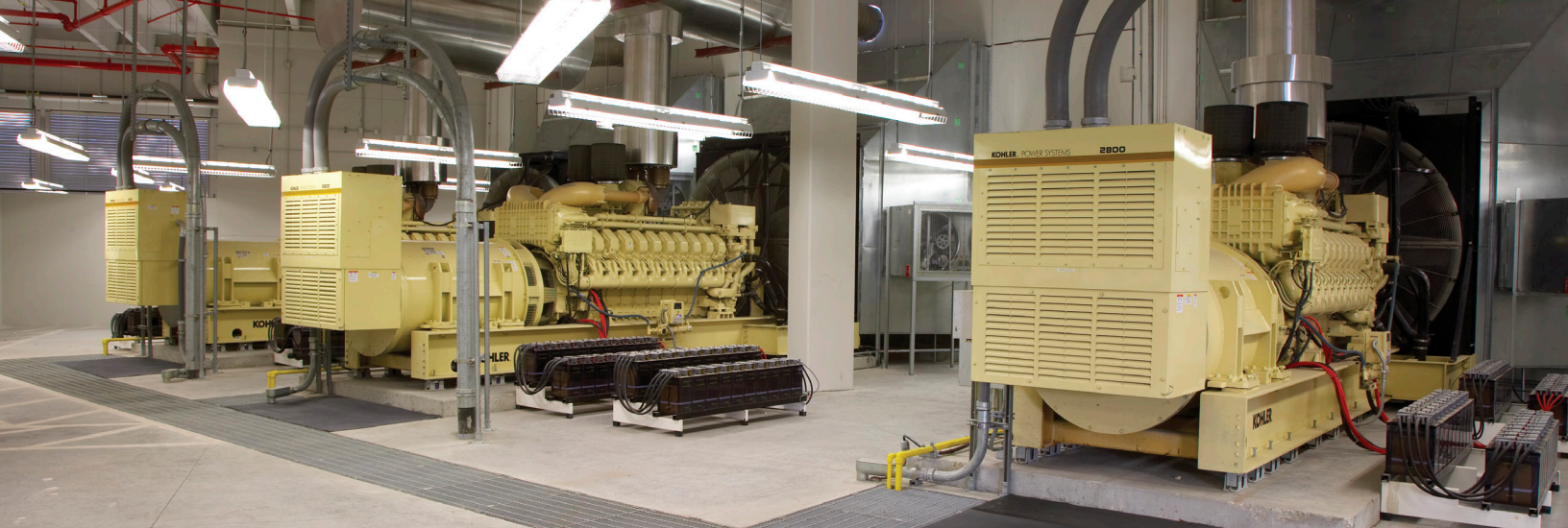
Available with a variety of controls – basic, advanced and paralleling

### 5 OPTIONS AND ACCESSORIES

Improved motor-starting alternators, heavy-duty air cleaners, enclosures, fuel tanks, block heaters, multiple circuit breakers and more



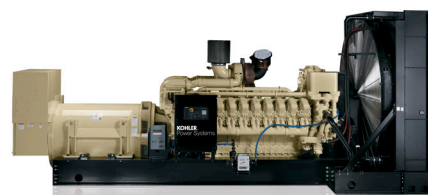
2000REOZMD



**30REOZJC**



**500REOZJ**



**3250REOZD**

MODEL	STANDBY 60 Hz (kW/kVA)	PRIME 60 Hz (kW/kVA)	RPM	Engine Manufacturer	EPA Emissions
10REOZDC	10/12.5	9/11.3	1800	Yanmar	Tier 4i
15REOZK	17/21.3	15/18.8	1800	Kohler	Tier 4i
20REOZK	24/30	21/26.3	1800	Kohler	Tier 4i
30REOZK	31/39	28/25	1800	Kohler	Tier 4i
30REOZK4	30/37.5	28/35	1800	Kohler	Tier 4
40REOZK	42/52	37/46	1800	Kohler	Tier 3
40REOZK4	40/50	36/45	1800	Kohler	Tier 4
48REOZK4	48/60	43/53	1800	Kohler	Tier 4
50REOZK	52/65	47/58	1800	Kohler	Tier 3
60REOZK	60/75	54/67	1800	Kohler	Tier 3
80REOZJF	83/104	76/95	1800	John Deere	Tier 3
100REOZJF	102/128	92/115	1800	John Deere	Tier 3
125REOZJG	128/160	116/145	1800	John Deere	Tier 3
125REOZJ4	130/163	117/146	1800	John Deere	Tier 4
150REOZJF	154/193	140/175	1800	John Deere	Tier 3
150REOZJ4	154/193	139/174	1800	John Deere	Tier 4
180REOZJG	180/225	165/206	1800	John Deere	Tier 3
200REOZJF	200/250	180/225	1800	John Deere	Tier 3
230REOZJE	230/288	205/256	1800	John Deere	Tier 3
250REOZJE	255/319	230/288	1800	John Deere	Tier 3
275REOZJE	280/350	255/319	1800	John Deere	Tier 3
300REOZJ	300/375		1800	John Deere	Tier 3
350REOZJB	360/450		1800	John Deere	Tier 3
400REOZJB	410/513		1800	John Deere	Tier 3
500REOZJB	510/638		1800	John Deere	Tier 2
500REOZVC	515/644	460/575	1800	Volvo	Tier 2
550REOZVB	550/688	500/625	1800	Volvo	Tier 2
600REOZVB	600/750	555/694	1800	Volvo	Tier 2

MODEL	STANDBY 60 Hz (kW/kVA)	PRIME 60 Hz (kW/kVA)	RPM	Engine Manufacturer	EPA Emissions
700REOZDE	700/785	630/788	1800	MTU	Tier 2
750REOZMD	760/950	690/863	1800	Mitsubishi	Tier 2
800REOZDE	800/1000	725/906	1800	MTU	Tier 2
800REOZMD	810/1013	730/913	1800	Mitsubishi	Tier 2
800ROZMC	810/1013	730/913	1800	Mitsubishi	
900REOZDE	910/1136	830/1038	1800	MTU	Tier 2
900REOZMD	970/1213	915/1144	1800	Mitsubishi	Tier 2
1000REOZDE	1000/1250	910/1138	1800	MTU	Tier 2
1000REOZMD	1020/1275	925/1156	1800	Mitsubishi	Tier 2
1000ROZMC	1020/1275	925/1156	1800	Mitsubishi	
1250REOZDD	1300/1625	1180/1475	1800	MTU	Tier 2
1250ROZMC	1280/1600	1160/1450	1800	Mitsubishi	
1250REOZMD	1280/1600	1160/1450	1800	Mitsubishi	Tier 2
1500REOZDD	1560/1950	1400/1750	1800	MTU	Tier 2
1600ROZMC	1600/2000	1450/1813	1800	Mitsubishi	
1600REOZMD	1600/2000	1450/1813	1800	Mitsubishi	Tier 2
1750REOZDC	1760/2200	1600/2000	1800	MTU	Tier 2
1750REOZMD	1780/2225	1620/2025	1800	Mitsubishi	Tier 2
2000REOZDD	2060/2575	1850/2313	1800	MTU	Tier 2
2000ROZMC	2000/2500	1820/2275	1800	Mitsubishi	
2000REOZMD	2000/2500	1820/2275	1800	Mitsubishi	Tier 2
2250REOZDD	2250/2813	2050/2563	1800	MTU	Tier 2
2500REOZDB	2500/3125	2270/2838	1800	MTU	Tier 2
2800REOZDB	2800/3500	2540/3175	1800	MTU	Tier 2
3000REOZD	3000/3500	2800/3500	1800	MTU	Tier 2
3250REOZD	3250/3500	2800/3500	1800	MTU	Tier 2

1) Stationary emergency ratings based on 3-phase, 480 V

2) 50 Hz non-emissions models are also available. Please contact the factory

3) Single-phase ratings also available

For additional technical specifications, visit [KohlerPower.com](http://KohlerPower.com)

# KOHLER® FAST-RESPONSE® ALTERNATORS

ALL THE BELLS AND WHISTLES. NO EXTRA CHARGE.

More than 90 years ago, Kohler unleashed its first alternator – and we’ve been raising the bar ever since. Today we’re proud to manufacture KOHLER Fast-Response Permanent Magnet Generator (PMG) alternators – a breakthrough in speed technology. Built to perform, these revolutionary alternators offer fast response to load changes.

On some other gensets, PMG alternators come as a costly upgrade. Not so with Kohler. All of our 35- to 300-kW units are factory-equipped with our Fast-Response PMG alternators. Which means you get all the bells and whistles with no expensive upcharge.

## STANDARD FEATURES

### TRUSTED RELIABILITY

Greaseless bearing and Class H insulation provide extra thermal protection for lasting reliability.

### ULTIMATE PERFORMANCE

High-power density design makes Kohler an industry leader in motor-starting capability.

### TESTED AND APPROVED

Our alternators meet NEMA MG 1, IEEE and ANSI standards for temperature rise and motor-starting capability.

### CLEAN POWER

Experience the rewards of clean power with precise voltage, current and frequency control.

### DURABLE SHORT-CIRCUIT RATINGS

The very definition of performance. Our alternators sustain short-circuit currents up to 300% of the rated current – for up to 10 seconds.

### 1 PMG-BRUSHLESS ALTERNATOR

Features brushless permanent magnet exciter for fast load response

### 2 RECONNECTABLE LEADS

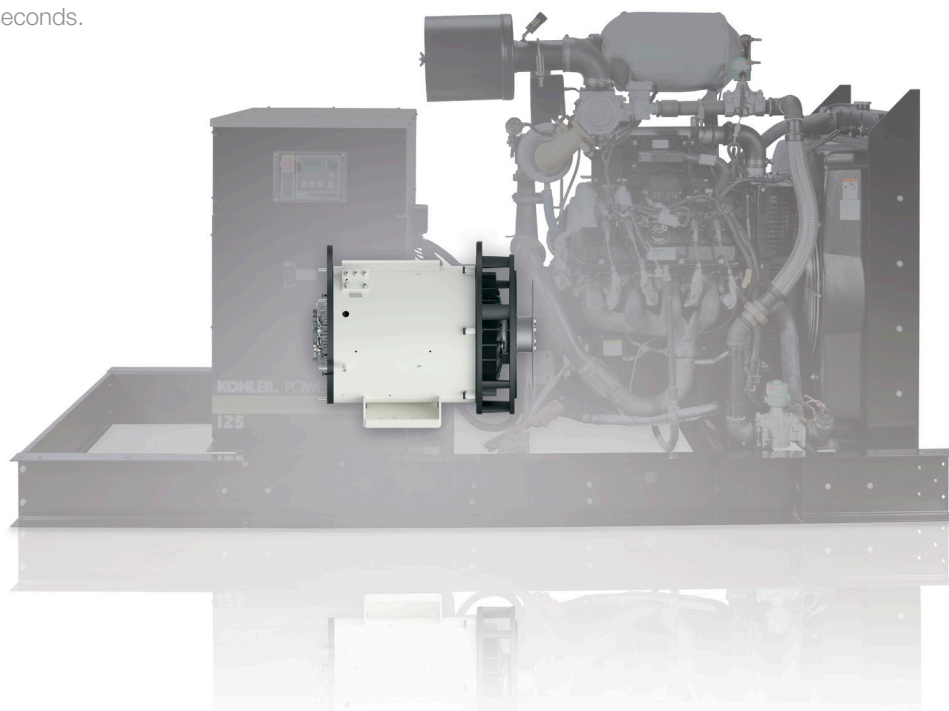
Designed with 4-lead dedicated voltages and 12-lead optional voltage connections

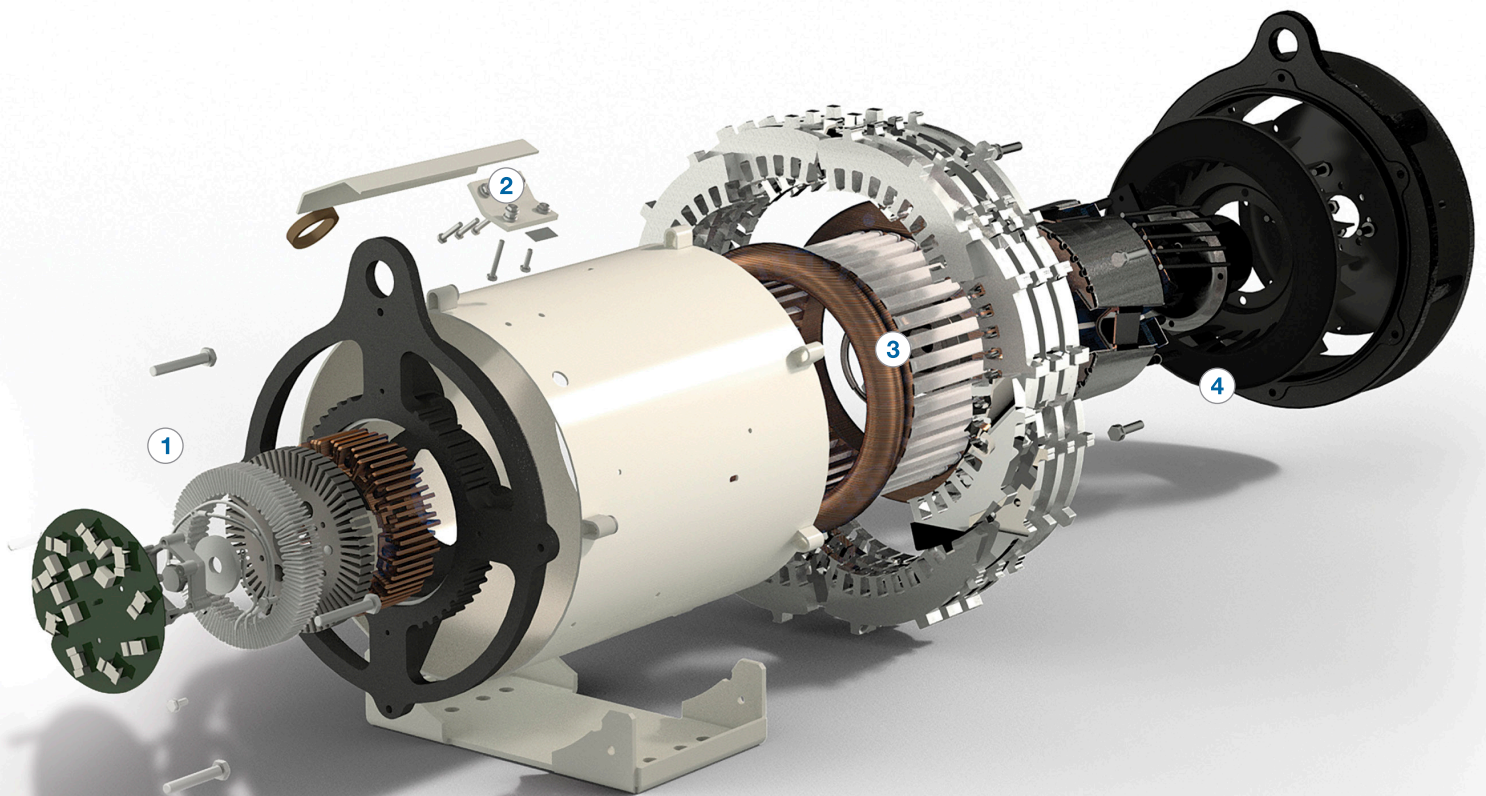
### 3 VACUUM-IMPREGNATED WINDINGS

Fungus-resistant epoxy varnish ensures reliability in tough environments

### 4 ROTOR

Two-thirds pitch stator and skewed rotor deliver clean power and superior voltage waveform





# KOHLER® DECISION-MAKER® CONTROLS

TECHNOLOGY SO ADVANCED, IT'S EASY.

At Kohler, we don't do one size fits all. With our Decision-Maker controls, we design custom packages, tailored to your needs – from basic controls to multiple generator paralleling.

Plus, Kohler makes each controller easy to operate with user-friendly displays and keypad functions. And if that weren't enough, our complete line of Decision-Maker controllers features advanced network communications for remote monitoring as well as adjustable parameters to accommodate your specific application.

## STANDARD FEATURES

### TESTED AND APPROVED

Our controls meet NFPA, UL and CE standards.

### INTEGRAL VOLTAGE REGULATOR

KOHLER controls deliver precise voltage regulation (.05%–0.25%) to protect your sensitive equipment from poor power quality.

### SEAMLESS SYSTEM INTEGRATION

Every controller works with our automatic transfer switches and switchgear for complete system integration.

### ALTERNATOR PROTECTION

This must-have technology protects the alternator from thermal overload.

## REMOTE COMMUNICATIONS

### MONITOR SOFTWARE

Monitors and controls generator sets and transfer switches from your personal computer.

### POWERSCAN™

Provides system monitoring around the clock using wireless technology to send messages to your phone, fax and email.

### REMOTE ANNUNCIATOR

Offers an economical solution for remote annunciation of faults and status conditions for NFPA-110 compliance.

### 1 EMERGENCY STOP BUTTON

Turns off generator immediately

### 2 CONTROL BUTTONS

Control synchronizing breakers and generator operation (Off/Auto/Run)

### 3 STATUS INDICATORS

Display generator mode, breaker and synchronization status

### 4 DIGITAL ALPHA/NUMERIC DISPLAY

Displays faults, warnings, codes and metering

### 5 KEY SWITCH

Secures your program settings

### 6 PUSH-BUTTON KEYPAD

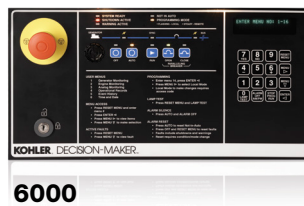
Sets custom parameters, displays menus, resets faults and more



REMOTE ANNUNCIATOR



DECISION-MAKER 6000



Decision-Maker Model.	3000	550	6000	8000	3500
Integral voltage regulator	x	x	x		x
Engine diagnostics	x	x	x	x	x
Engine starting aid	x	x	x		x
Event and data logging	x	x	x	x	x
Programming access via laptop	x	x	x	x	x
Key switch		x	x		
USER INTERFACE					
Alphanumeric digital display	x	x	x		
Monochromatic graphical display					x
Color graphical display				x	
Emergency stop (local)				x	x
Emergency stop (remote)	x	x	x	x	x
Exercise function		x	x		x
COMMUNICATIONS					
Local and remote area network capability	x	x	x	x	x
Monitoring software	o	o	o	x	

## COMMON FEATURES

### INPUTS AND OUTPUTS

All models include digital and analog input and output with option for additional inputs/outputs

### ENGINE STATUS AND CONDITION INDICATORS

Oil pressure/temperature  
Coolant temperature  
Engine speed  
Number of starts  
Battery voltage

### ALTERNATOR STATUS AND CONDITION

Voltage, L-L and L-N for all phases  
Current/frequency for all phases  
Total kW/kVA and KVAR  
kWh  
Power factor\*  
Per phase kW/kVA and KVAR\*

Decision-Maker Model	3000	550	6000	8000	3500
PARALLELING					
Remote input for external paralleling controller		x		x	x
Dead bus paralleling			x	x	x
Dead field paralleling				x	
Synchronizer			x	x	x
Real and reactive load sharing			x	x	x
First-on logic			x	x	x
Circuit breaker control			x	x	x
Base load control			x	x	x
Var/power factor control			x	x	x
Load management			o	x	x
Generator management			o	x	x

KEY: STANDARD = x / OPTION = o

### ENGINE PROTECTION – SHUTDOWN/INDICATION

High engine coolant temperature  
Low coolant level  
Low oil pressure  
Overcrank  
High/low fuel level/pressure  
Overspeed  
Load shed output\*

### ALTERNATOR PROTECTION – SHUTDOWN/INDICATION

Over- and under-voltage/frequency  
Overcurrent  
Overpower  
Locked rotor\*\*  
Reverse power/var\*

\*Except Decision-Maker 3000. \*\*Except Decision-Maker 8000

# DECISION-MAKER® PARALLELING SYSTEM

TOTAL INTEGRATION. FROM TOP TO BOTTOM

When it comes to paralleling systems, Kohler offers 100% integration. Our Decision-Maker Paralleling System (DPS) is designed, engineered and factory-tested as a complete system, not built from parts from multiple manufacturers like some competitive products.

Comprised of KOHLER® generators, controls and switchboards, DPS delivers dependable power across multiple applications.

## STANDARD FEATURES

### REDUNDANT BACKUP POWER

Total and complete protection. If one genset needs servicing, the DPS makes power available to your most critical loads.

### EASY EXPANSION

Purchase a system that fits your budget today. And, in the future, we'll expand on your DPS instead of completely replacing it.

### OPERATIONAL SAVINGS

Saving has never been easier. The DPS automatically turns off generators when your needs are low.

### FAST LEAD TIMES

Our DPS is a standard product, no customization necessary. So you'll get it faster than custom paralleling systems.

### OPTIONAL FUEL TYPES

Mix and match any fuel you want. Available for use with diesel, natural gas and LP fuel types in the same system.

### 1 KOHLER DECISION-MAKER 6000 CONTROLLER

Enables load sharing and synchronization for up to eight generator sets in the KOHLER DPS

### 2 MASTER CONTROL PANEL

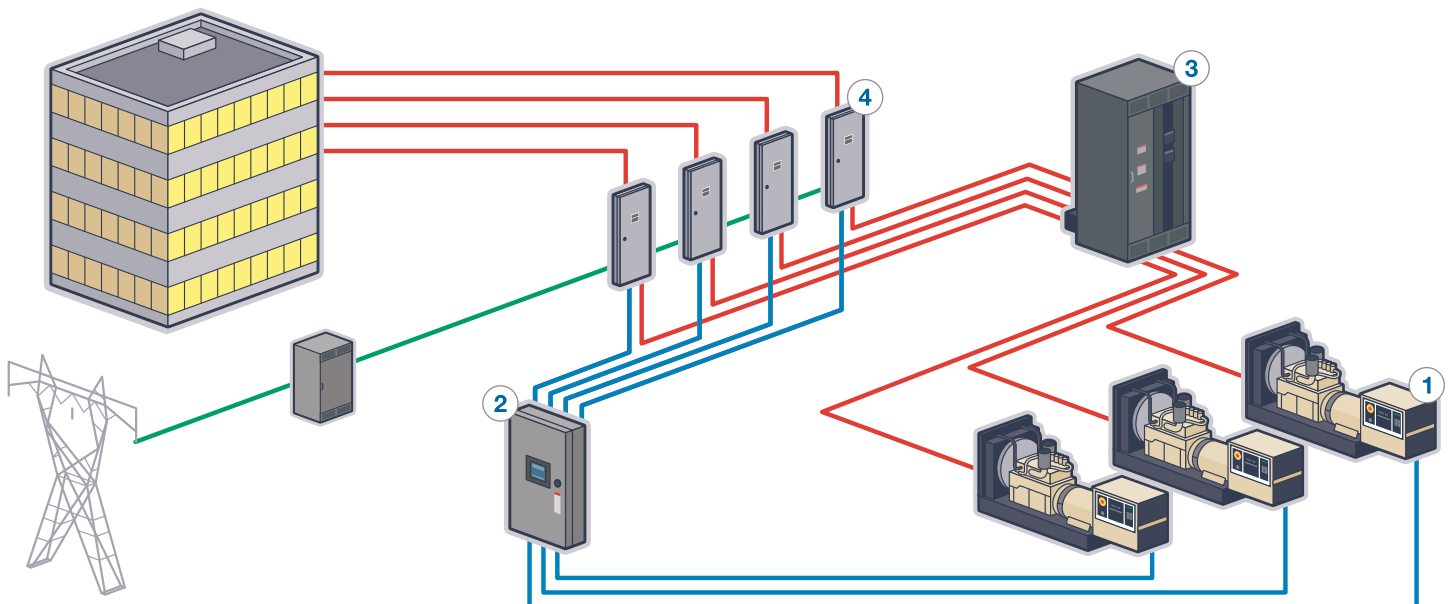
Handles load add/shed, number of gensets online, monitors event logging and alarms

### 3 POWER DISTRIBUTION SWITCHBOARD

Accommodates paralleling and distribution breakers

### 4 AUTOMATIC TRANSFER SWITCH

Intelligently selects the power source and transfers loads



# SUB - BASE FUEL TANKS

BUILT TO MATCH YOUR ENVIRONMENTAL NEEDS.

If it's environmental protection you want, you're in the right place. KOHLER® tanks feature two containment walls to keep your fuel where it should be – inside. Plus, they're coated with Power Armor Plus™ (a textured epoxy-based, rubberized finish) for heavy-duty durability.

## STANDARD FEATURES

### ENVIRONMENTAL PROTECTION

Our tanks are UL-approved secondary containment tanks and can be configured to meet cUL, IBC and other required codes.

### MULTIPLE RUNTIMES

Usable tank capacities provide 12 to 72 hours of operation.

### CUSTOM OPTIONS

Choose from alarm panels, spill-fill containments, high-fuel switches, tank markings and more.

### EXCELLENT PROTECTION

Our new Power Armor Plus – polyurea textured coating eliminates the need for exterior epoxy treatment and provides excellent abrasion resistance and corrosion protection.

### 1 STATE TANK OPTIONS

Spill-fill containments, three-alarm panel, fuel basin switch and tank markings

### 2 EMERGENCY PRESSURE RELIEF VENTS

Ensure proper venting of inner and outer tank during extreme conditions

### 3 NORMAL VENT WITH CAP

Raised above the lockable fuel fill cap

### 4 ELECTRICAL STUB-UP

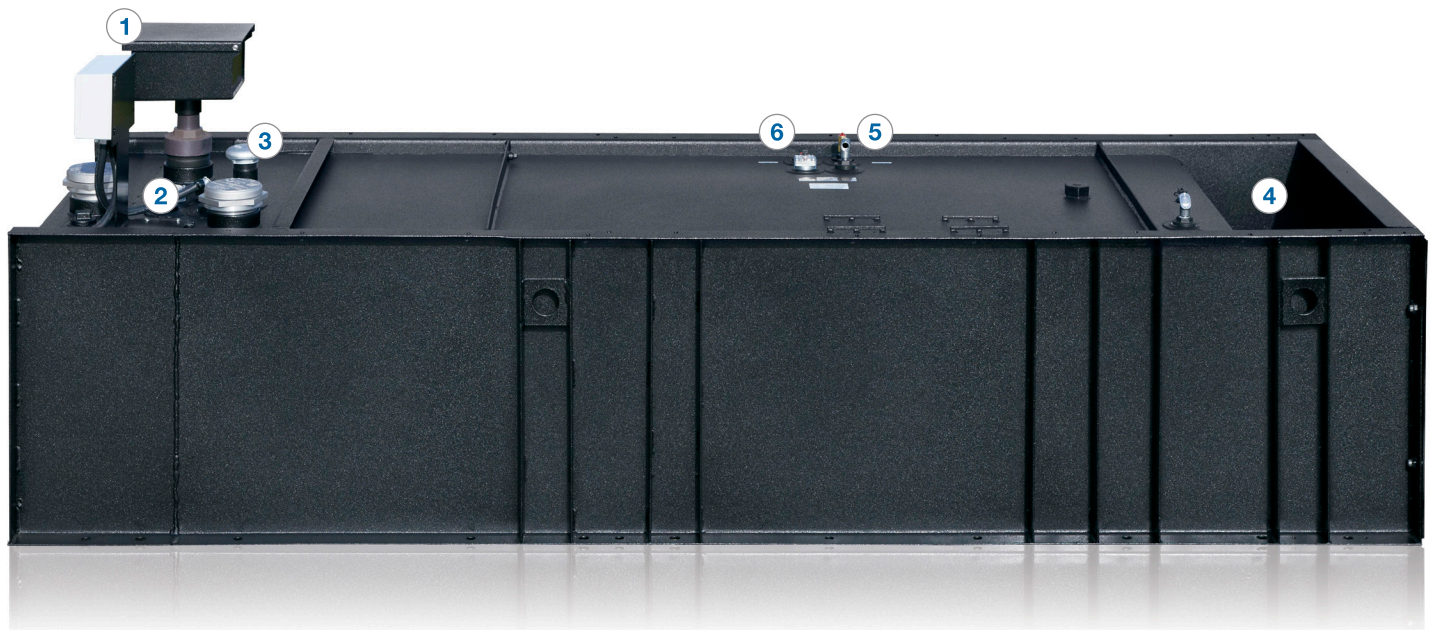
Features large stub-up area for easy installation

### 5 LEAK DETECTION SWITCH

Annunciates a contained primary tank fuel leak at generator control

### 6 FUEL SWITCH

Interfaces with controller to provide fuel level indication



# ENCLOSURES

REDUCE THE RACKET. AND PUT MOTHER NATURE IN HER PLACE.

If you want to keep the weather out and the noise in, there's really only one way to go. KOHLER® enclosures are bolstered by industrial steel or heavy-duty aluminum and acoustic insulation to protect your investment and keep the noise down. In addition, we coat every unit with Power Armor™ (a textured industrial finish) for heavy-duty durability in harsh conditions.

UL 2200 and IBC-certified packages are available.

## STANDARD FEATURES

### CUSTOM OPTIONS

Multiple weather/sound enclosure options are available on 10- to 3250-kW generators.

### QUIET PERFORMANCE

Our enclosures offer acoustic insulation to meet your quiet applications.

### CERTIFIED PACKAGES

Enclosures are UL2200-tested and approved, IBC-certified and meet 150-mph wind rating.

### ADVANCED CORROSION PROTECTION

Power Armor is a textured automotive-grade finish that surpasses a 2,500 hour salt spray exposure test.

#### 1 ADVANCED DOOR SYSTEM

Hinged doors, door handles and door holders provide security, protection and easy access for service

#### 2 SERVICE ACCESS

Multiple personnel doors and removable panels offer easy access to generator control, fuel fill, fuel gauge, oil fill and battery

#### 3 INTERNAL EXHAUST SYSTEM

Features insulated exhaust silencer for improved aesthetics, safety and noise reduction

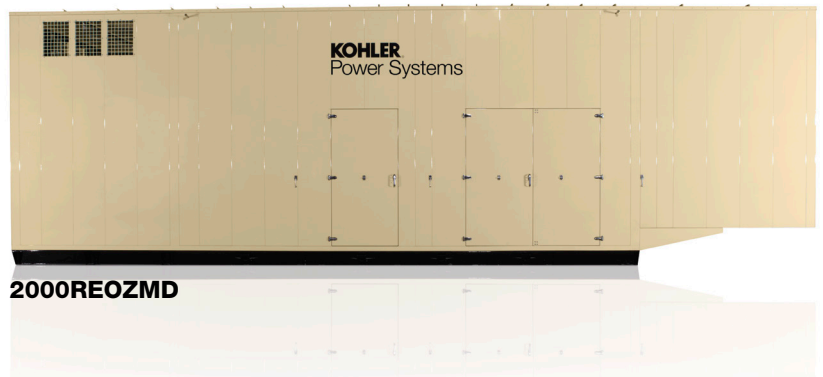
#### 4 OIL AND RADIATOR DRAINS

Provide an easier, quicker way to service your generator

#### 5 AVAILABLE ACCESSORIES

Electrical packages, lighting, heaters, motorized louvers, stairs and more





Sound Levels			
KW	Engine Manufacturer	Weather Enclosure dBA	Sound Enclosure dBA
10-20 kW	Yanmar	77	68
25-150 kW	GM	77-88	69-74
20-300 kW	John Deere	80-94	68-75
350-500 kW	John Deere	90-94	73-75
500-600 kW	Volvo	94-95	75
700-1000 kW	MTU	93-98	75
1250-3250 kW	MTU/Mitsubishi	95-101	75-85

Sound level full load dBA @ 23 feet.

# AUTOMATIC TRANSFER SWITCHES

FORGET THE FORECAST. WE HAVE YOU COVERED.

Bridging the gap between loss of utility and standby power is no small task, which is why KOHLER® automatic transfer switches are essential to KOHLER power systems.

Kohler's latest generation of transfer switches – featuring MPAC® controllers – are loaded with technology to ensure transfer of power from the utility to the generator and back. When the grid fails, power is transferred to the standby system. And then it's back to business as usual.

## STANDARD FEATURES

### MULTIPLE APPLICATIONS

Find the perfect option. KOHLER transfer switches are available in standard, bypass-isolation and service-entrance configurations with open, closed and programmed transition operating modes, from 30 to 4000 amps.

### SEAMLESS SYSTEM INTEGRATION

Everything works together. KOHLER transfer switches are designed to interface perfectly with KOHLER generators and switchgear.

### ADVANCED COMMUNICATIONS

Every transfer switch comes fully loaded with the technology to do the job. Ethernet and Modbus communications capabilities are available.

### CERTIFIED PACKAGES

Transfer switches are UL-listed and have CSA and IBC certifications available.

### 1 CERTIFIED ENCLOSURES

Meet NEMA Type 1, 3R, 12, 4 and 4X enclosure standards

### 2 BYPASS OPERATION

Eliminates interruption to the loads during maintenance

### 3 MPAC DIGITAL CONTROLLER

Provides a full array of features including communications, I/O, load management and other advanced functionality

### 4 HEAVY-DUTY CONTACTOR

Choose from any breaker, specific breaker and current limiting fuse-rated mechanisms

### 5 AVAILABLE ACCESSORIES

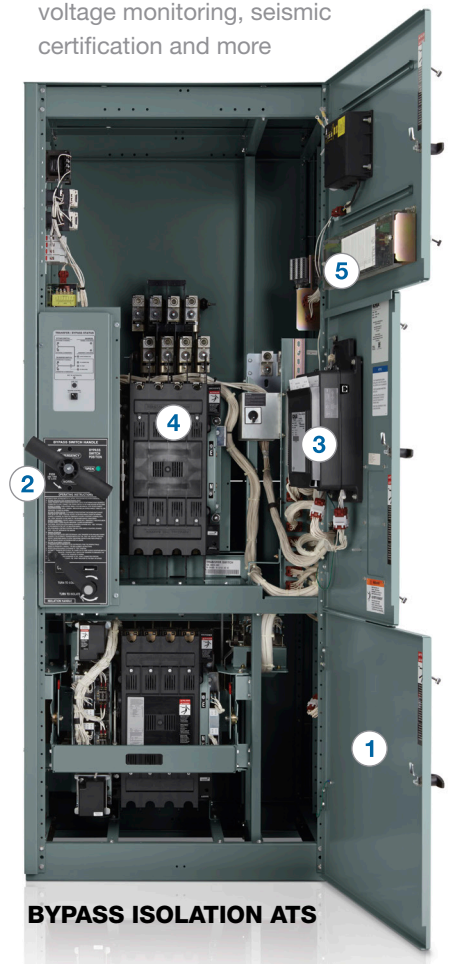
Anti-condensation heater, voltage surge suppressor, line-to-neutral voltage monitoring, seismic certification and more



**STANDARD ATS**



**SERVICE-ENTRANCE ATS**



**BYPASS ISOLATION ATS**



KOHLER® PRODUCT SERIES	DECISION-MAKER® MPAC® 750	DECISION-MAKER MPAC 1200	DECISION-MAKER MPAC 1500
Comparison Features	Basic	Advanced	Mission-Critical
<b>Amperage</b>	Up to 1000 A	Up to 4000 A	Up to 4000 A
<b>Phases</b>	Single/Three	Single/Three	Single/Three
<b>Poles</b>	2, 3, 4	2, 3, 4	2, 3, 4
<b>Voltage range</b>	115-480 V	115-600 V	115-600 V

Product Type			
<b>Standard open transition</b>	Yes	Yes	Yes
<b>Standard delayed transition</b>		Yes	Yes
<b>Standard closed transition</b>		Yes	Yes
<b>Bypass-isolation open transition</b>			Yes
<b>Bypass-isolation delayed transition</b>			Yes
<b>Bypass-isolation closed transition</b>			Yes
<b>Service entrance</b>			Yes

Withstand and Close-On Ratings (WCR)			
<b>WCR – Specific breaker</b>	30-65 kA	30-65 kA	22-100 kA
<b>WCR – Any breaker</b>		10-100 kA	10-100 kA
<b>WCR – Current-limiting fuses</b>		100-200 kA	100-200 kA
<b>Short-time withstand rating</b>		36-65 kA	36-65 kA

# PARALLELING SWITCHGEAR

LOAD IT UP. ANYWAY YOU WANT.

Whether your needs are for emergency, prime power, interruptible rate or peak shaving applications, Kohler has the switchgear to back them all up. When it's time to spec, our team will take care of you every step of the way – from concept to startup. And we will engineer custom switchgear to meet your needs.

Now when it comes to flexibility in generator paralleling, KOHLER® PD-Series paralleling switchgear is the way to go. If utility power ever fluctuates or fails, your KOHLER switchgear automatically reacts to the situation, engages the generators and connects them to your facility.

## STANDARD FEATURES

### CUSTOM DESIGN

Tailor-made from top to bottom. Our switchgear is engineered to specifically meet your unique application.

### SEAMLESS SYSTEM INTEGRATION

It's simple really. Our switchgear works with the entire KOHLER power system – generators, automatic transfer switches and more.

### CERTIFIED PACKAGES

All KOHLER switchgear is cUL-listed and IBC-certified.

### DESIGN SUPPORT

Need help? Our experts are ready to assist in switchgear design.

### 1 CIRCUIT BREAKERS

Choose from a variety of paralleling and distribution circuit breakers

### 2 CUSTOM OPTIONS

Choose from controls, meters, protective relays and more

### 3 CONTROL CENTER

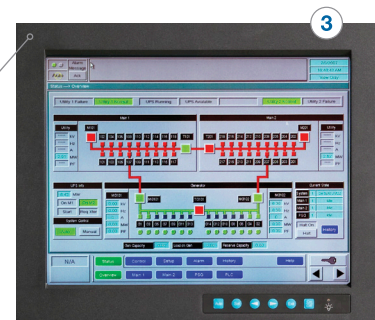
Features color touch screen, USB port for downloading reports, Modbus communications, Web server and more

### 4 LOW AND MEDIUM VOLTAGES

Available up to 13.8 kV



PD-2000





Features	PD-2000	PD-3000	PD-4000
Low-voltage switchboard (UL/cUL 891)	X		
Low-voltage switchgear (UL/cUL 1558)		X	
Medium-voltage metal-clad switchgear (UL/cUL-listed)			X
NEMA 1	X	X	X
NEMA 3R	X	X	X
Short-circuit rating up to 200 kA		X	X
Short-circuit rating up to 150 kA	X		
Bus rating up to 10,000 A	X		
Bus rating up to 9200 A		X	
Bus rating up to 6000 A			X
Maximum voltage 600 V	X	X	
Maximum voltage 15 kV			X
60 Hz	X	X	X
50 Hz	X	X	X
Parallel up to 32 generators	X	X	X
15" color touch screen (optional touch screen sizes available)	X	X	X
Customizable controls, relays and metering	X	X	X

Modes of Operation			
Emergency standby	X	X	X
Prime power	X	X	X
Base load (peak shave)	X	X	X
Import (peak shave)	X	X	X
Isolate (interruptible rate)	X	X	X
Customizable sequence of operation	X	X	X

# MOBILE GENERATORS

TAKE YOUR POWER ANYWHERE.

35-500 kW

Quiet, reliable KOHLER® mobile generators give you dependable power anywhere, from remote construction sites to public events to storm recovery. Tough to the core, they're built to withstand the elements and run for long hours in prime and standby applications. Upgrade your rental fleet with hard-working mobile units. They're loaded with features for power that works wherever you go.

## STANDARD FEATURES

### DIESEL MOBILE GENERATORS

#### EASY ON THE ENVIRONMENT

EPA-emission-certified for non-road use with 110% containment of fuel, oil and coolant. Tier 4 Final engines with lower operating costs\* give you heavy-duty power for any demanding application.

#### ENGINES FOR THE FUTURE

KOHLER Diesel KDI engines have no DPF (diesel particulate filter) for a smaller overall footprint without DPF maintenance. Cooled EGR helps achieve the industry's toughest emissions standards. Ultra-efficient performance provides savings. John Deere engines have Integrated Emissions Control systems – cooled EGR, exhaust filter and SCR – that result in high power density, high torque and lower fuel consumption.

### GASEOUS MOBILE GENERATORS

#### INNOVATIVE PROPANE TANK SYSTEM

LP gas is reliable, readily available, refills just like diesel and produces less smog-producing carbon monoxide. Easily switch to natural gas or external propane for extended power supply.

#### LOWER OPERATING COSTS

KOHLER mobile generators with propane engines offer a 15%-20% reduction in hourly fuel costs.\*\*

### GENERATOR PARALLELING BOX

The KOHLER Mobile Paralleling Box lets you parallel differently sized KOHLER mobile generators to meet job requirements. It eliminates the need to size circuit breakers to specific generator output or invest in motorized breakers on generators that may never be paralleled. Each box can parallel two generators with the Decision-Maker, 3500 controller.

\*Available on 35/45REOZT4.

\*\*Fuel cost savings compared to diesel fuel and based on December 2013 rates published by the U.S. Energy Information Administration.

#### 1 LIFTING EYE

Convenient single-point lifting eye

#### 2 KOHLER DECISION-MAKER 3500 CONTROLLER

User-friendly LCD display and advanced network communications

#### 3 REMOVABLE HOUSING

Patent-pending housing is easy to remove – just unscrew bolts from the base\*

#### 4 ON-BOARD FUEL TANK

24-hour runtime tanks are standard on diesel models, optional on gaseous models

#### 5 RUGGED TRAILER

Tough commercial trailer with electric braking system

#### 6 TWO-WAY FUEL VALVE

Easily switches among onboard LP, external LP or natural gas fuel (gaseous model); switches between on-board and external fuel tank draw (optional on diesel models)\*

\*Available on Tier 4F and gaseous models only.

125REZGT





Model	Standby 60 Hz (kW/kVA)	Prime 60 Hz (kW/kVA)	Fuel	EPA Emissions
35REOZT4	30/37.5	28/35	Diesel	Tier 4F
45REOZT4	40/50	36/45	Diesel	Tier 4F
55REOZT4	48/60	43/53	Diesel	Tier 4F
60REOZT	65/81	59/74	Diesel	Tier 3
100REOZT	105/131	96/120	Diesel	Tier 3
145REOZT4	130/163	117/146	Diesel	Tier 4F
150REOZT	155/194	140/175	Diesel	Tier 3
175REOZT4	154/193	139/174	Diesel	Tier 4F
200REOZT	210/263	190/238	Diesel	Tier 3
500REOZT	510/638	460/575	Diesel	Tier 2
30REZGT	28/35	25/31	LP/NG	EPA-Certified
50REZGT	42/52	40/50	LP/NG	EPA-Certified
70REZGT	62/77	56/70	LP/NG	EPA-Certified
125REZGT	105/131	95/119	LP/NG	EPA-Certified



**MOBILE PARALLELING BOX**

SPEC YOUR JOB AT **KOHLERPOWER.COM**

For more information, call **800.544.2444**  
or visit **KohlerPower.com/Industrial**



**KOHLER** Power Systems

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